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P) 3/58/08a (08-03)
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	Substitute	o for form 1448A	⊘पप∿			Complete If Known	i
					Application Number	10/687,570	
INFORMATION DISCLOSURE				CLOSURE	Filing Date	October 15, 2003	
	STAT	TEMENT	BY A	PPLICANT	First Named Inventor	Mark Frei	
					Art Unit	3736	
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	Shoat	1	of	2	Altorney Docket Number	011738.00138	- ; -

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	FOREIGN PATENT DOCUMENTS							
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Examiner Signature Considered \$ 6/1/2006					
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Transcens is exercise. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidenciatry is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection to estimated to take 2 sours to complete, including gethering, preparing, and submitting the completed application form to the USPTO. Three will very depending upon the individual case. Any comments on the encount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Offic r, U.S. Palent and Thademont Office, U.S. Department of Commence. P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO; Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. Patent and Trademark Office; U.S. DEPART MENT OF COMMERCE
Under the Paperwork Reduction Act of 1895, no pursure are required to respond to a collection of intermedian unless it contains a valid. Will control number Substitute for form 14498/PTO Complete if Known 10/687,570 Application Number INFORMATION DISCLOSURE Filling Date October 15, 2003 STATEMENT BY APPLICANT First Named Inventor Mark Frei Art Unit 3736 (Use as many sheets as necessary) Examiner Name Unassigned Altomey Docket Number 2 011738.00138 NON PATENT LITERATURE DOCUMENTS include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), titl : of Cite the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-is us number(s), publisher, city and/or country where published. T2 Examiner initials * International Preliminary Examination Report UPS i Mysaru Examiner Date 2006 Signature Considered "EXAMINER: Initig! It is serence consistence, whether or not citation is in conformance with MPEP 909, Draw line through citation if not in conformance **EXAMINEN: sing/in inserted considered, whether or not citation is in conformance with MPEP 609, Drew line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

*Applicant's unique citation designation number (options). *Applicant is to place a check mark here if English language Transition is attached. This collection of information is required by 37 CFR 1.98. The information is required to other or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to the Committee of Committee of Committee (Committee P.O. Box 1450, Alexandria, VA 22319-1450, CO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.Q. Box 1450, Alexandria VA 223(3-1450.

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Sheet 1 of 2

Complete if Known					
Application Number	10/687,570				
Filing Date	October 15, 2003	•			
First Named Inventor	Mark Frei	-			
Art Unit	3736				
Examiner Name	Not assigned				
Attomey Docket Number	011738.00138				

			U.S. PATENT	DOCUMENTS	
Examiner Initials *	Cite No.1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevar Passages or Relevant Figures Appear
VPS		US-6,366,814	04/02/2002	Boveja, et al.	
1		US- 6,587,727	07/01/2003	Osorio, et al.	
T	Γ	US- 5,597,954	07/22/2003	Pless, et al.	
b		US- 6,609,030	08/19/2003	Rezai, et al.	
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	FOREIGN PATENT DOCUMENTS								
Examiner	Cite	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or	Pages, Columns, Lines,				
Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)		Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	τ⁵			
					 				
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 2

Complete if Known					
Application Number	10/687,570				
Filing Date	October 15, 2003				
First Named Inventor	Mark Frei				
Art Unit	3736				
Examiner Name	Not assigned				
Attorney Docket Number	011738.00138	フ			

	NON PATENT LITERATURE DOCUMENTS							
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²					
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Examiner Signature	Charles Marmor II	Date Considered	6/1/06	
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¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18 Stylesheet Version v18.0

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TRADENA PRADENA

Title of Invention Phase Shifting of Neurological Signals an a Medical Device System

Application Number:

10/687570

Confirmation Number:

7127

First Named Applicant:

Mark Frei

Attorney Docket Number: 011738.00138

Art Unit:

3736

Examiner:

Unassigned Unassigned

Search string:

(6385479 or 6449509 or 6094593 or

20020038294).pn.

Certification: This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

	init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
		1	6385479	2002-05-07	Sibbitt		A	11-11
		2	6449509	2002-09-10	Park		www.	6/1/2006
0		3	6094593	2000-07-25	Karagueuzian	J.	WINDLE WAR	

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
XE	1	20020038294	2002-03-28	Matsugu			

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Charles Marmon I

6/1/06

page 1 of 2



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE (Attorney Docket No. 011738.00138)

In re U.S. Patent Application of Frei, et al.)
Application No. 10/687,570) Group Art Unit: 3736
Filed: October 15, 2003) Examiner: Unassigned
For: Phase Shifting of Neurological Signals In a Medical Device System) Confirmation No. 7127
)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR §§1.97 and 1.98, the Applicant filed Information Disclosure Statements on April 26, 2004 and June 10, 2004 for the above-identified application.

This Supplemental Information Disclosure Statement is being submitted to advise the Commissioner of the following related co-pending patent applications:

10/687,133	10/687,344	10/687,567
10/687,135	10/687,348	10/687,571
10/687,289	10/687,389	10/688,214
10/687,290	10/687,557	
10/687,306	10/687,566	

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE (Attorney Docket No. 011738.00138)

In the A	Application of:)
	Mark Frei, et al.) Confirmation No. 7127
Serial 1	No. 10/687,570) Group Art Unit: 3736
Filed:	October 15, 2003) Examiner: Not assigned
For:	PHASE SHIFTING OF NEUROLOGICAL SIGNALS IN A MEDICAL DEVICE SYSTEM)))

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. 1.97 and 1.98, the Applicant wishes to make the following references of record in the above-identified application. This Supplemental Information Disclosure Statement is in compliance with the continuing duty of candor as set forth in 37 C.F.R. § 1.56. Copies of the U.S. patent references cited below are not enclosed. The references are also listed on the enclosed and completed Form PTO/SB/08A.

REFERENCES

U.S. Patent Documents

Patent No.	Inventor	Date Granted
6,366,814	Boveja, et al.	04/02/2002
6,587,727	Osorio, et al.	07/01/2003
6,597,954	Pless, et al.	07/22/2003
6,609,030	Rezai, et al.	08/19/2003

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PTO/SB/08a (08-03)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known	
10/687,570	
October 15, 2003	
Mark G. Frei	
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	10/687,570 October 15, 2003 Mark G. Frei 3736 TBD

			U.S. PATENT D	OCUMENTS	
Examiner Initiats *	Cite No.	Document Number . Number - Kind Code ² (if known)	Issue/Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Cotumns, Lines, Where Relevant Passages or Relevant Figures Appear
VPS		US- 3522811	08/04/1970	Schwartz et al.	
ì		US- 3850161	11/26/1974	Saul Liss	
1		US- 3863625	02/04/1975	Viglione et al.	
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		US- 6591138	07/08/2003	Ficshell et al.	-
		US- 6597954	07/22/03	Pless et al.	
L.	1	US- 6647296	11/11/2003	Fischell et al.	
1,85	1	US- 2002/0013614	01/31/2002	David L. Thompson	

			
Examiner Signature	lideren	Date Considered	6/1/2006

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Substitute for form 1449A/PTO Complete If Known 10/687,570 Application Number INFORMATION DISCLOSURE Filing Date October 15, 2003 STATEMENT BY APPLICANT First Named Inventor Mark G. Frei Art Unit 3736 (Use as many sheets as necessary) Examiner Name TBD Sheet 011738.00138 Attorney Docket Number

Firemina	Cit-	Document Number	Publication Date	Name of Patentee or Applicant of	Person Columbia
Examiner Initials *	Cite No. ¹	Number - Kind Code ² (if known)	MM-DD-YYYY	Cited Document	Pages, Columns, Lines, Where Relevar Passages or Relevant Figures Appear
UPS		US- 5487754	01/30/1996	Snell et al.	
1		US- 5626145	05/06/1997	Clapp et al.	
7		US- 5683422	11/04/1997	Mark T. Rise	
		US- 5713922	02/03/1998	Gary William King	
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j		US- 5995868	11/30/1999	Dorfmeister et al.	
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1		US- 6018682	01/25/2000	Mark T. Rise	
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1		US- 6337997	01/08/2002	Mark T. Rise	
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1 -	 	US- 6366813	04/02/2002	Daniel J. Di Lorenzo	
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1-	t	US- 6427086	07/30/2002	Fischell et al.	
+		US- 6459936	10/01/2002	Fischell et al.	
+	1	US- 6466822	10/15/2002	Benjamin D. Pless	
IPS		US- 6473639	10/24/2002	Fischell et al.	

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	NON PATENT LITERATURE DOCUMENTS						
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²				
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^{*}EXAMINER: Inflial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	October 15, 2003	
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(Use as many sheets as necessary)				Art Unit	3736	
				Examiner Name	TBD	
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		NON PATENT LITERATURE DOCUMENTS	
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